

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036619.D
 Acq On : 22 Jul 2024 08:57
 Operator : SY/MD
 Sample : VSTD2.527
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5227

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/23/2024
 Supervised By :Mahesh Dadoda 07/24/2024

Quant Time: Jul 23 01:25:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:25:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	405490	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	400025	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	214272	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	13345	3.005	ug/L	0.00
7) Chloroethane-d5	1.529	69	11340	2.827	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	7094	3.021	ug/L	0.00
21) 2-Butanone-d5	3.928	46	4962m	5.140	ug/L	0.07
24) Chloroform-d	4.246	84	29826	2.781	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	13818	2.612	ug/L	0.01
32) Benzene-d6	4.960	84	51294	2.706	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	14915	2.645	ug/L	0.00
41) Toluene-d8	7.243	98	45067	2.491	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	5899	2.456	ug/L	0.01
47) 2-Hexanone-d5	8.063	63	2558m	3.593	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	12658	2.688	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	20971	2.804	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	16560	2.408	ug/L	97
3) Chloromethane	1.211	50	12567	2.375	ug/L	97
5) Vinyl chloride	1.278	62	15115	2.310	ug/L	98
6) Bromomethane	1.484	94	12271	2.346	ug/L	96
8) Chloroethane	1.545	64	10505	2.478	ug/L	99
9) Trichlorofluoromethane	1.709	101	28435	2.503	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	17879	2.529	ug/L	98
12) 1,1-Dichloroethene	2.063	96	14900	2.382	ug/L	89
13) Acetone	2.169	43	10211m	6.352	ug/L	
14) Carbon disulfide	2.233	76	38370	2.210	ug/L	99
15) Methyl Acetate	2.397	43	5562	2.832	ug/L #	54
16) Methylene chloride	2.442	84	22310	2.957	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	14704	2.327	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	29385	2.218	ug/L	96
19) 1,1-Dichloroethane	3.108	63	23268	2.348	ug/L	96
20) cis-1,2-Dichloroethene	3.818	96	14815	2.245	ug/L	96
22) 2-Butanone	3.995	43	5951m	4.609	ug/L	
23) Bromochloromethane	4.156	128	8038m	2.312	ug/L	
25) Chloroform	4.272	83	29221	2.442	ug/L	95
27) 1,2-Dichloroethane	5.050	62	16815	2.342	ug/L	100
29) Cyclohexane	4.574	56	14608	2.048	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	25221	2.437	ug/L	99
31) Carbon tetrachloride	4.728	117	23345	2.414	ug/L	99
33) Benzene	5.008	78	52027	2.290	ug/L	100
34) Trichloroethene	5.834	95	17684	2.379	ug/L	98
35) Methylcyclohexane	6.043	83	21604	2.182	ug/L	97
37) 1,2-Dichloropropane	6.095	63	11637	2.226	ug/L	97
38) Bromodichloromethane	6.436	83	21018	2.466	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	17081	1.934	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	9732	4.085	ug/L #	82
42) Toluene	7.317	91	52748	2.096	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	15948m	2.086	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	11793	2.313	ug/L	95
46) Tetrachloroethene	7.902	164	22799	3.090	ug/L	96
48) 2-Hexanone	8.098	43	7362m	3.965	ug/L	
49) Dibromochloromethane	8.178	129	14612	2.275	ug/L	92
50) 1,2-Dibromoethane	8.288	107	11446	2.234	ug/L	98
51) Chlorobenzene	8.812	112	43010	2.361	ug/L	97
52) Ethylbenzene	8.947	91	57010	2.060	ug/L	99
53) m,p-Xylene	9.075	106	20610	1.907	ug/L	94
54) o-Xylene	9.477	106	19595	1.887	ug/L	98
55) Styrene	9.500	104	30987	1.760	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	10721	2.321	ug/L	94
59) Bromoform	9.667	173	9764	2.420	ug/L #	94
60) Isopropylbenzene	9.863	105	53816	2.052	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	9447	2.501	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	36439	1.782	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	37617	1.817	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	35280	2.407	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	37556	2.488	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	32470	2.382	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	2115	2.378	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	28013	2.423	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	21758	2.317	ug/L	100
71) Naphthalene	13.442	128	29740m	2.162	ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	19780	2.334	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

